



FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION
DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SFST.06USU1

SERIAL NO.

09/863,808

APPLICANT

Elisabeth Smela, et. al

FILING DATE

05/22/2001

GROUP 2834

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
|---------------------|---|--------------------|------------|--|-------|--------------|
| | A | 5,556,770 | 09/17/1996 | Method of preparing a composition that enhances | 435 | 70.1 |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS | TRANSLATION | |
|------|----|--------------------|------------|-----------|-----------|--------------|-------------|----|
| | | | | | | | YES | NO |
| Yink | AA | 67484 | 14/06/1989 | Italy | A-61F | | | XX |
| mb | BB | EP 0 924 033 A2 | 14/12/1998 | Europe | B25J 9/10 | | XX | |
| mb | CC | WO 99/24991 | 20/05/1999 | World PCT | H01B 1/12 | | XX | |
| mb | DD | PCT/GB 98/03241 | 27/01/1999 | World PCT | H01B 1/12 | | XX | |

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

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| Yink | AAA | Huang, W., Humphrey, B., MacDiarmid, A., "Polyaniline, a novel conducting polymer: morphology and chemistry of its oxidation and reduction in aqueous electrolyte," <u>J. Chem. Soc., Faraday Trans. 1</u> , vol. 82, 1986, pgs. 2385-2400. |
| mb | BBB | Mazzoldi, A., Degl'Innocenti, C., Michelucci, M., De Rossi, D., "Actuative properties of polyaniline fibers under electrochemical stimulation," <u>Materials Science and Engineering C</u> , vol. 6, Elsevier Science, 1998, pgs. 65-72. |
| mb | CCC | Sato, M., Kaneto, K., Yoshino, K., "Dependences of electrical and mechanical properties of conducting polypyrrole films on conditions of electrochemical polymerization in an aqueous medium," <u>Synthetic Metals</u> , vol. 14, Elsevier Sequoia, Netherlands, 1986, pgs. 289-296. |
| mb | DDD | Kaneko, M., Kaneto, K., "Electrochemomechanical deformation of polyaniline films doped with self-existent and giant anions," <u>Reactive and Functional Polymers</u> , vol. 37, Elsevier Science, 1998, pgs. 155-161. |
| mb | EEE | Lewis, T.W., Spinks, G.M., Wallace, G.G., De Rossi, D., Pachetti, M., "Development of an all polymer electromechanical actuator," pgs. 520-521. |
| mb | FFF | Pei, Q., Ingnas, O., Lundstrom, I., "Bending bilayer strips built from polyaniline for artificial electrochemical muscles," <u>Smart Mater. Struct.</u> , vol. 2, IOP Publishing Ltd., United Kingdom, 1993, pgs. 1-6. |
| mb | GGG | Smela, E., Ingnas, O., Lundstrom, I., "Controlled folding of micrometer-size structures," <u>Science</u> , vol. 268, 23 June 1995, pgs. 1735-1738. |
| mb | HHH | Otero, T.F., Rodriguez, J., Angulo, E., Santamaria, C., "Artificial muscles from bilayer structures," <u>Synthetic Metals</u> , vols. 55-57, Elsevier Sequoia, 1993, pgs. 3713-3717. |
| | III | Kaneko, M., Fukui, M., Takashima, W., Kaneto, K., "Electrolyte and strain dependences of chemomechanical deformation of polyaniline film," <u>Synthetic Metals</u> , vol. 84, Elsevier Science, 1997, pgs. 795-796. |

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| JJI | | Chiarelli, P., Della Santa, A., De Rossi, D., Mazzoldi, A., "Actuation properties of electrochemically driven polypyrrole free-standing films," <u>Journal of Intelligent Material Systems and Structures</u> , vol. 6, January 1995, pgs. 32-37. |
| KKK | | Takashima, W., Fukui, M., Kaneko, M., Kaneto, K., "Electrochemomechanical deformation of polyaniline films," July 1995, pgs. 3786-3789. |
| LLL | | Monkman, A.P., Adams, P., "Optical and electronic properties of stretch-oriented solution-cast polyaniline films," <u>Synthetic Metals</u> , vol. 40, Elsevier Sequoia, Netherlands, 1991, pgs. 87-96. |
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| OOO | | Takashima, W., Uesugi, T., Fukui, M., Kaneko, M., Kaneto, K., "Mechanochemoelectrical effect of polyaniline film," <u>Synthetic Metals</u> , vol. 85, Elsevier Science, 1997, pgs. 1395-1396. |
| PPP | | Okabayashi, K., Goto, F., Abe, K., Yoshida, T., "Electrochemical studies of polyaniline and its application," <u>Synthetic Metals</u> , vol. 18, Elsevier Sequoia, Netherlands, 1987, pgs. 365-370. |
| QQQ | | Adams, P.N., Devasagayam, P., Pomfret, S.J., Abell, L., Monkman, A.P., "A new acid-processing route to polyaniline films which exhibit metallic conductivity and electrical transport strongly dependent upon intrachain molecular dynamics," <u>J. Phys.: Condens. Matter</u> , vol. 10, IOP Publishing Ltd., United Kingdom, 1998, pgs. 8293-8303. |
| RRR | | Pomfret, S.J., Adams, P.N., Comfort, N.P., Monkman, A.P., "Advances in processing routes for conductive polyaniline fibres," <u>Synthetic Metals</u> , vol. 101, Elsevier Science, 1999, 724-725. |
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| EXAMINER | | DATE CONSIDERED July 23, 2003 |

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